

For Research Use Only

ECD Polyclonal antibody

Catalog Number: 10192-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

10192-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0245

GenBank Accession Number:

BC000721

GeneID (NCBI):

11319

UNIPROT ID:

O95905

Full Name:

ecdysoneless homolog (Drosophila)

Calculated MW:

73 kDa

Observed MW:

73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0*

Positive Controls:

WB : HeLa cells,

IP : HeLa cells,

IHC : human ovary cancer tissue,

IF/ICC : HeLa cells,

Background Information

The human suppressor of GCR two (hSGT1) was isolated by its ability to complement the growth defect of the gcr2 mutant of *Saccharomyces cerevisiae*. Further work confirmed that the rescue of growth was associated with recovery of glycolytic enzyme activities of gcr2, and that hSGT1 did not complement the growth defect of a gcr1 mutant. A hybrid protein comprising hSGT1p and the DNA-binding domain of Gal4p (GBD) activated a GAL1-lacZ reporter gene fusion, suggesting that the cloned gene may be a transcriptional activator. Two-hybrid experiments in yeast also indicate that hSGT1p interacts with Gcr1p. Northern analysis showed that hSGT1 is highly expressed in muscle and heart.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|------------|-------------|
| Song-Hui Xu | 26498357 | Oncotarget | WB |
| Xiankun Cao | 39826612 | J Adv Res | WB,IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

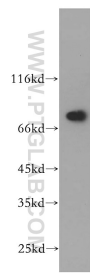
T: 4006900926

E: Proteintech-CN@ptglab.com

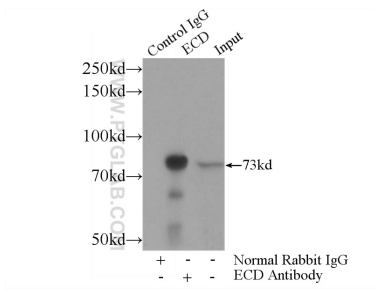
W: ptgcn.com

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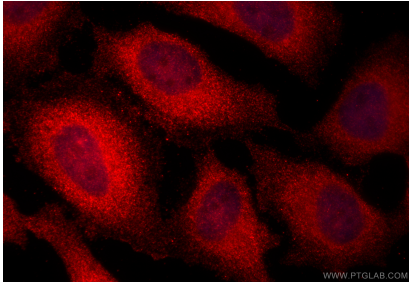
Selected Validation Data



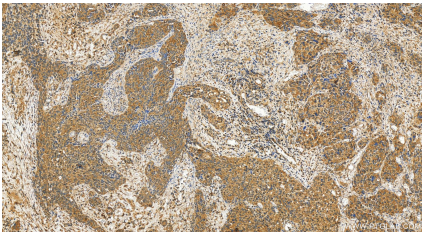
HeLa cells were subjected to SDS PAGE followed by western blot with 10192-1-AP (ECD antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-ECD (IP:10192-1-AP, 4ug; Detection:10192-1-AP 1:300) with HeLa cells lysate 2480ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ECD antibody (10192-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 10192-1-AP (ECD antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).